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From: Shann Kerner, Ph.D.  
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Date: August 14, 2003

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Client Matter Number: 112917-129  
Return To: 29015

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BOSTON LONDON MUNICH NEW YORK OXFORD PRINCETON RESTON WALTHAM WASHINGTON

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OFFICIAL

Re: U.S. Patent Application No. 09/073,596 filed 05/06/1998  
Title: Methods for in Vitro Proliferation of Dendritic Cell Precursors and Their Use to Produce Immunogens  
First Inventor: Steinman, et al.  
Examiner: G. Ewoldt Group Art Unit: 1644  
Attorney Docket No.: 112917-129 (MER-010CP2)

## Certificate of Transmission under 37 CFR 1.8

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## Document

No.  
Pgs.

Transmittal Form	1
Fee Transmittal Form	1
Petition for Extension of Time Under 37 CFR 1.136(a)	1
Amendment Pursuant to 37 CFR 1.116	13
Notice of Appeal Pursuant to 37 CFR 1.191	2

Total Number of Pages (including this Certificate of Transmission)

19

PTO/SB/21 (05-03)  
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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/073596
	Filing Date	05/06/1998
	First Named Inventor	Steinman, et al.
	Air Unit	1644
	Examiner Name	G. Ewaldt
Total Number of Pages in This Submission	Attorney Docket Number	112917-129 (MER-010CP2CNDV)

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.62 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Ann-Louise Kerner, Ph.D.	
Signature	<i>Ann-Louise Kerner</i>	
Date	08/14/2003	

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Typed or printed name	Rochelle Capobianco	
Signature	<i>Rochelle Capobianco</i>	Date: 08/14/2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL

## for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 625.00

## Complete if Known

Application Number: 09/079,596  
 Filing Date: 05/06/1998  
 First Named inventor: Steinman, et al.  
 Examiner Name: G. Ewoldt  
 Art Unit: 1644  
 Attorney Docket No: 112917-129 (MER-010CP2CNDV)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None.☒ Default AccountDeposit Account Number:  
Deposit Account Name:

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The Commissioner is authorized to (check all that apply):

- ☒ Charge fee(s) indicated below. ☒ Credit any overpayments.  
☐ Charge any additional fee(s) during the pendency of this application.  
☐ Charge fee(s) indicated below, except for the filing fee, to the above identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 150	2001 375	Utility filing fee	
1002 330	2002 195	Design filing fee	
1003 620	2003 280	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 150	2005 50	Provisional filing fee	
SUBTOTAL (1) (\$)			0.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
1	20		
2	3		
Multiple Dependent		0	40

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 15	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claims, if not paid	
1204 84	2204 42	Reissue independent claims over original patent	
1205 15	2205 9	Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)			0.00

\*or number previously paid, if greater. For Reissues, see above.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

## Large Entity / Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 80	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 65	Non-English specification	
1812 2,520	1812 1,260	For filing a request for ex parte reexamination	
1804 920	1804 460	Requesting publication of SIR prior to Examiner action	
1805 1,840	1805 920	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1202 410	2202 205	Extension for reply within second month	465.00
1253 330	2253 165	Extension for reply within third month	
1254 450	2254 225	Extension for reply within fourth month	
1255 975	2255 485	Extension for reply within fifth month	160.00
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	2451 755	Petition to institute a public-use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	2460 65	Petitions to the Commissioner	
1807 50	2807 25	Processing fee under 37 CFR 1.17(q)	
1808 180	2808 90	Recording of Information Disclosure Stmt.	
8021 40	2821 20	Submitting each patent assignment per property (time number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(d))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(D))	
1801 750	2831 375	Request for Continued Examination (RCE)	
1802 900	2802 450	Request for expedited examination of a design application	
Other fee (specify):			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)			625.00

## SUBMITTED BY

Name (Print/Type): Ann Louise Kerner, Ph.D.

Registration No. (Attorney/Agent)

33,523

Telephone: (617) 528-6192

Signature: *Ann Louise Kerner*

Date: 08/14/2003

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Application No. 09/073,596

Patent Attorney Docket No. MER-010 CP2CNDV (112917-129)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In re Application of:  
STEINMAN et al.

Serial No.: 09/073,596

Group Art Unit: 1644

Filed: 06 May 1998

Examiner: G. Ewoldt

For: METHODS FOR *IN VITRO*  
PROLIFERATION OF  
DENDRITIC CELL  
PRECURSORS AND THEIR  
USE TO PRODUCE  
IMMUNOGENS**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 CFR §1.6**

I hereby certify that this correspondence is being sent via facsimile transmission to: Assistant Commissioner for Patents, Washington, DC 20231 (703-872-9307) on the date indicated below.

Date: 14 August 2003

By:

*Rochelle Capobianco*  
Rochelle CapobiancoMail Stop AF (After Final)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**AMENDMENT PURSUANT TO 37 C.F.R. § 1.116**

This response is submitted in reply to the final Office Action dated 14 February 2003. A Petition for a three (3) month Extension of Time is submitted herewith, which extends the period for response to 14 August 2003. A Notice of Appeal is also submitted herewith, which appeals the Examiner's final rejection of claims 84, 89, 91, 92, 94, 95, 99, 101, and 103-120.

Application No. 09/073,596

Please amend the above-identified application as follows.

**Amendments to the Claims** are reflected in the listing of claims, which begin on page 3 of this paper.

**Remarks / Arguments** begin on page 7 of this paper.